

09/687855
STN Search Summary

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FILE 'CAPLUS' ENTERED AT 17:14:33 ON 28 MAR 2002

L1 776 S POLYKETIDE (2W) (SYNTHAS? OR SYNTHETAS?)
L2 7945 S HETEROLOGOUS (S) EXPRESS?
L3 57 S L1 AND L2
L4 11 S L3 AND (E.COLI OR ESCHERICHIA)

L4 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
AN 2000:36875 CAPLUS
TI Over-expression of a polyketide synthase (PKS) module
of a giant polyene antibiotic gene cluster in E. coli
by double induction
AU Tao, Mei-Feng; Hu, Zhi-Hao; Zhou, Xiu-Fen; Zhou, Qi; Deng, Zi-Xin; Kieser,
Tobias; Hopwood, David A.
SO Yichuan Xuebao (1999), 26(6), 721-730

L4 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS
AN 1998:528512 CAPLUS
TI Heterologous expression of polyketide
synthases.
AU Kealey, James T.; Liu, Lu; Betlach, Melanie; Santi, Daniel V.; Beltach,
Mary C.; Barr, Philip J.
SO Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27
(1998), BTEC-063 Publisher: American Chemical Society, Washington, D. C.

L4 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS
AN 1998:331648 CAPLUS
TI Plant Polyketide Synthases: A Chalcone Synthase-Type
Enzyme Which Performs a Condensation Reaction with Methylmalonyl-CoA in
the Biosynthesis of C-Methylated Chalcones
AU Schroeder, Joachim; Raiber, Sigrid; Berger, Thorsten; Schmidt, Axel;
Schmidt, Juergen; Soares-Sello, Anna M.; Bardshiri, Esfandiar; Strack,
Dieter; Simpson, Thomas J.; Veit, Markus; Schroeder, Gudrun
SO Biochemistry (1998), 37(23), 8417-8425

L4 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS
AN 1998:70397 CAPLUS
TI Cloning and heterologous expression of genes from the
kinamycin biosynthetic pathway of Streptomyces murayamaensis
AU Gould, Steven J.; Hong, Seong-Tshool; Carney, John R.
SO J. Antibiot. (1998), 51(1), 50-57

L4 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
AN 1998:61182 CAPLUS
TI Production of a polyketide natural product in nonpolyketide-producing
prokaryotic and eukaryotic hosts
AU Kealey, James T.; Liu, Lu; Santi, Daniel V.; Betlach, Mary C.; Barr,
Philip J.
SO Proc. Natl. Acad. Sci. U. S. A. (1998), 95(2), 505-509

L4 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:52759 CAPLUS
 TI Cloning and heterologous expression of the entire gene
 clusters for PD 116740 from *Streptomyces* strain WP 4669 and tetrangulol
 and tetrangomycin from *Streptomyces* rimosus NRRL 3016
 AU Hong, Seong-Tshool; Carney, John R.; Gould, Steven J.
 SO J. Bacteriol. (1997), 179(2), 470-476

L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:443936 CAPLUS
 TI Heterologous expression in *Escherichia coli*
 of an intact multienzyme component of the erythromycin-producing
 polyketide synthase
 AU Roberts, Gareth A.; Staunton, James; Leadlay, Peter F.
 SO Eur. J. Biochem. (1993), 214(1), 305-11

L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:404096 CAPLUS
 TI The role of cysteines in polyketide synthases.
 Site-directed mutagenesis of resveratrol and chalcone synthases, two key
 enzymes in different plant-specific pathways
 AU Lanz, Thomas; Tropf, Susanne; Marner, Franz Josef; Schroeder, Joachim;
 Schroeder, Gudrun
 SO J. Biol. Chem. (1991), 266(15), 9971-6